

EAST Search History

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((treating sleep disordered breathing in a patient with sleep disordered breathing) and (implanting a device in a patient) and (determining the likelihood of said patient being asleep) and (delivering treatment so as to prevent airway collapse if said patient is likely to be asleep) and (determining the presence of an obstruction in said patient's airway) and (if an obstruction is present increasing said treatment until said obstruction is no longer present) and (wherein said device includes a stimulator for providing electrical stimulation to afferent nerves) and (a postural sensor to sense said patient's postural state) and (a real time clock) and (a detector to detect transthoracic	USPAT; UPAD	SAME	ON	2009/11/18 16:32

impedance changes by emitting high frequency electrical pulses to traverse the transthoracic cavity) and (calculating instantaneous transthoracic impedance across said transthoracic cavity) and (comparing said instantaneous transthoracic impedance to a recent average of instantaneous transthoracic impedances) and (said treatment comprises operating said stimulator to apply electrical stimulation to afferent nerves) and (said presence of an obstruction is determined by detecting a change in transthoracic impedance) and (the likelihood of said patient being asleep is determined based upon the time of day as identified by said real time clock together with the patient's postural state as sensed by said postural sensor)).clm.

L2	0	((apparatus for treating respiratory disorders in a patient "with" a respiratory disorder adapted for implant within or adjacent to the base of genioglossus muscle) and (a piezo-electric mechanical element) and (a detector to detect transthoracic impedance changes) and (a controller adapted to elicit vibration of the piezo-electric mechanical element via an electrical signal to prevent airway collapse during sleep) and (to determine the presence of an obstruction) and (to adjust said vibration upon the presence of an obstruction) and (a real time clock for determining time of day) and (a postural sensor for sensing postural state) and (wherein said piezo-electric mechanical element is vibrated only for combinations of time of day and postural state that indicate that said patient is likely to be asleep) and (if an obstruction is present increasing said treatment until	USPAT; UPAD	SAME	ON	2009/11/18 16:39
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said obstruction is no longer present) and (the likelihood of said patient being asleep is determined based upon the time of day as identified by said real time clock together "with" the patient's postural state) and (said detector detects transthoracic impedance changes by emitting high frequency electrical pulses to traverse the transthoracic cavity) and (calculating instantaneous transthoracic impedance across said transthoracic cavity) and (comparing said instantaneous transthoracic impedance to a recent average of instantaneous transthoracic impedances) and (said controller determines the presence of an obstruction is determined based upon a detected change in transthoracic impedance)).clm.

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